SAFETY AND BUILDINGS DIVISION
Plumbing Product Review
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Wisconsin
Department of Commerce

Jim Doyle, Governor
Jack L. Fischer, A.I.A., Secretary

July 16, 2008

CULLIGAN INTERNATIONAL
ANNA K. LEVOY
9399 W HIGGINS RD SUITE 1100
ROSEMONT IL 60018

ACE HARDWARE CORPORATION
2200 KENSINGTON COURT
OAK BROOK IL 60521

Re: Description: WATER TREATMENT DEVICE-ACTIVATED CARBON
Manufacturer: ACE HARDWARE CORPORATION
Product Name: ACE HARDWARE UNDER SINK DRINKING WATER FILTER (POU)
Model Number(s): 4158622 USING THE 49642 CARTRIDGE
Product File No: 20080145

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of July 2013.

This approval supersedes the approval issued on August 6, 2003 under product file number 20030327.

This approval is contingent upon compliance with the following stipulation(s):

- This product has undergone sufficient testing to document the product's ability to reduce only those contaminants and/or substances as specified in this approval letter when the product is installed and maintained in strict accordance with the manufacturers published instructions.

- Where the Department of Natural Resources (DNR) has jurisdiction, a written approval may be required prior to installation of this product in a water supply system to reduce the concentration of a contaminant that exceeds the primary drinking water standards contained in ch. NR 809, Wis. Admin. Code, the enforcement standards contained in ch. NR 140, Wis. Admin. Code, or for a water supply system that is subject to a written advisory opinion by the DNR. For more information contact the DNR Section of Private Water Systems, P.O. Box 7921, Madison, WI 53707, telephone (608) 266-3415.

- If this approved device is modified or additional assertions of function or performance are made, then this approval shall be considered null and void, unless the change is submitted to the department for review and the approval is reaffirmed.

- If the treatment components of this device (e.g. replacement cartridge) are replaced with anything other than those originally approved for use with this device, then this approval shall immediately be considered null and void.

Based on testing data submitted to and reviewed by the department, this approval recognizes that this plumbing product will reduce the concentration of contaminants as specified on pages 1 through 2 of this letter.

AESTHETIC CONTAMINANT REDUCTION CAPABILITIES
PRODUCT FILE NUMBER 20080145
TABLE 1 OF 1

Flow Rate: 3.8 liters per minute (lpm) [1.0 gallon per minute (gpm)]
Capacity: 946 liters (l) [250 gallons (gals.)] for free chlorine reduction. For particulate reduction, the capacity is dependent on the type and quantity of particulate matter present in the influent water; the need for maintenance may be indicated by a significant decrease in flow rate.

Tested Contaminant	Influent Challenge (mg/l) [*, 1]
Chlorine (free)	2.0 ± 10%
Particulates (0.5 to < 1.0 µm)	1.0×10^4 #/ml

Other Conditions: the contaminant reduction performance capabilities displayed for Table 1 of 1 were verified by testing conducted in accordance with NSF *International* Standard 42. To qualify for free chlorine reduction, the device must reduce the influent challenge concentrations by ≥ 50%. The reduction of free chlorine is a surrogate, and thus qualifies this device, for the reduction of organic, aesthetic taste and odor causing compounds (e.g. geosmin, 2-methylisoborneol). Free chlorine reduction testing does not cover inorganic taste and odor causing compounds, other than free chlorine itself (e.g. hydrogen sulfide). To qualify for particulate reduction, Class I, the device must reduce the influent challenge concentrations by ≥ 85%.

1 = milligrams per liter (mg/l) are equivalent to parts per million (ppm)
#/ml = particles per milliliter
µm = micrometers
< = less than
***** = unless otherwise specified
≥ = greater than or equal to
± = plus or minus

This device was tested under controlled laboratory, or field, conditions. The actual performance of this device for a specific end use installation will vary from the tested conditions based on local factors such as water pressure, water temperature and water chemistry.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Glen W. Schlueter
Engineering Consultant-Plumbing Product Reviewer
Bureau of Integrated Services
Safety and Buildings Division
Department of Commerce
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